

FORM PTO-1449
(Rev. 2-32)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
66538

SERIAL NO.
08/475,806

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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FILING DATE
June 7, 1995

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(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mj</i>	AA	1,113,609	10/13/14	Gamble	177	4	
	AB	1,261,508	04/02/18	Gamble	346	7	
	AC	1,986,308	01/01/35	Wallace	177	4	
	AD	2,586,137	02/19/52	Yoder et al.	177	141	
	AE	2,756,983	7/1956	Furcini	177	141X	
	AF	3,036,663	5/29/62	Burka	177	141	
	AG	3,154,160	10/27/64	Rockwell	177	141	
	AH	3,279,550	12/1963 ¹²	Kersten	177	136	
	AI	3,306,384	02/28/67	Ross	177	141	
	AJ	3,321,035	5/1967	Tarpley	177	136	
	AK	3,420,325	1/1969	McAlister et al.	177	141	
	AL	3,531,766	9/70 ¹⁹⁷⁰	Henzel	177	136	
	AM	3,545,558	12/70 ¹⁹⁷⁰	Maugh	177	136	
	AN	3,559,820	02/02/71	Munson	340	686	
	AO	3,603,418	9/71 ¹⁹⁷¹	Schmidt et al.	177	136	
	AP	3,644,883	02/22/72	Borman et al.	340	991	
	AQ	3,669,756	06/72 ¹⁹⁷²	Bradley	177	229	
	AR	3,698,492	10/1972	LeJeune	177	208	
	AS	3,743,041	07/73 ¹⁹⁷³	Videon	177	136	
	AT	3,780,817	12/73 ¹⁹⁷³	Videon	177	136	
	AU	3,800,895	04/74 ¹⁹⁷⁴	Galé et al.	177	136	
	AV	3,813,171	5/28/74	Teach et al.	356	152	
	AW	3,854,540	12/1974	Holmstrom, Jr.	177	136	
	AX	3,857,452	12/1974	Hartman	177	139	
	AY	3,876,980	04/08/75	Haemming et al.	340	991	
	AZ	3,878,908	04/22/75	Andersson et al.	177	136	
	BA	3,889,767	07/75 ¹⁹⁷⁵	Scott et al.	177	136	
	BB	3,895,681	7/1975	Griffin et al.	177	141	
	BC	3,899,924	08/19/75	Klein	177	136	
	BD	3,927,724	12/75 ¹⁹⁷⁵	Baker	177	136	
	BE	3,940,630	02/24/76	Bergonz	340	991	
<i>mj</i>	BF	3,960,228	6/76 ¹⁹⁷⁶	Nordstrom	177	136	

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m22	BG	3,971,451	¹⁹⁷⁶ 7/76	Norberg	177	136	
	BH	3,980,871	9/1976	Lindstrom et al.	364	567	
	BI	4,009,375	02/22/77	White et al.	340	988	
	BJ	4,009,591	³ 07/11/78	Carr	340	988	
	BK	4,020,911	¹⁹⁷⁷ 5/77	English et al.	177	136	
	BL	4,049,961	9/20/77	Marcy	250	202	
	BM	4,067,061	01/03/78	Juhasz	364	424	
	BN	4,095,659	¹⁹⁷⁸ 6/87	Blench et al.	177	136	
	BO	4,095,660	¹⁹⁷⁸ 6/78	Johansson	177	136	
	BP	4,099,591	7/1978	Carr	180	98	
	BQ	4,107,689	08/15/78	Jellinek	343	112	
	BR	4,108,262	08/22/78	Anderson	177	136	
	BS	4,119,900	10/10/78	Kremnitz	318	587	
	BT	4,123,933	¹⁹⁷⁸ 11/78	Reid	73	855	
	BU	4,148,369	¹⁹⁷⁹ 4/79	Mercer, Jr.	177	136	
	BV	4,178,015	12/11/79	Merriman et al.	280	711	
	BW	4,212,074	7/1980	Kuno et al.	364	466	
	BX	4,217,588	08/12/80	Freeny, Jr.	340	988	
	BY	4,230,196	10/28/80	Snead	177	141	
	BZ	4,249,623	¹⁹⁸¹ 2/81	McCauley	177	136	
	CA	4,258,421	3/24/81	Juhasz et al.	364	424	
	CB	4,263,973	04/28/81	Boulais et al.	172	4.5	
	CC	4,299,290	11/10/81	Nunes, Jr.	172	4.5	
	CD	4,309,758	01/05/82	Halsall et al.	364	424	
	CE	4,328,494	05/04/82	Goodall	177	136	
	CF	4,350,970	09/21/82	von Tomkewitsch	340	988	
	CG	4,361,198	¹⁹⁸² 11/82	Sjorgren	177	141	
	CH	4,384,628	¹⁹⁸³ 5/83	Jackson	177	137	
	CI	4,393,951	7/19/83	Horst-Rudolf	177	136	
	CJ	4,399,881	8/23/83	Theurer et al.	177	137	
	CK	4,411,325	¹⁹⁸³ 10/83	Hamilton	177	136	
	CL	4,417,630	11/1983	Weber et al.	177	1	
	CM	4,456,084	6/26/84	Miller	177	141	
m22	CN	4,468,968	9/1984	Kee	364	558	

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<i>mjd</i>	CO	4,482,960	11/13/84	Pryor	364	424	
	CP	4,490,798	12/25/84	Franks et al.	364	550	
	CQ	4,500,970	02/19/85	Daemmer	364	513	
	CR	4,511,974	4/1985	Nakane et al.	364	403	
	CS	4,520,443	5/1985	Yuki et al.	364	424	
	CT	4,542,461	9/1985	Eldridge et al.	364	424	
	CU	4,563,739	1/1986	Gerpheide et al.	364	403	
	CV	4,606,419	8/1986	Perini	177	209	
	CW	4,728,922	3/1988	Christen et al.	340	52R	
	CX	4,852,674	8/1989	Gudat	177	141	
	CY	4,854,406	8/1989	Appleton et al.	177	141	
	CZ	4,870,419	9/1989	Baldwin et al.	342	50	
	DA	4,921,578	5/1990	Shiraishi et al.	177	136	
	DB	4,949,263	8/14/90	Jurca	364	424.07	
	DC	5,046,007	9/03/91	McCrery et al.	364	424.04	
	DD	5,304,744	4/1994	Jensen	177	136	
<i>mjd</i>	DE	5,326,939	7/1994	Schafer	177	139	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mjd</i>	DF	493628	09/29/77	Australia	—	—		
	DG	2043921	10/08/80	United Kingdom	—	—		
	DH	2400447	11/05/71	France	—	—		
	DI	2249787	05/30/75	France	—	—		
	DJ	84 05278	10/1985	France	—	—		
	DK	1593993	07/81	United Kingdom	—	—		
	DL	2025185	01/16/80	United Kingdom	—	—		
	DM	2562659	10/11/85	France	—	—		
	DN	1215275	12/09/70	United Kingdom	—	—		
	DO	WO 83/04451	12/22/83	PCT	—	—		
	DP	59-176133	10/1984	Japan	—	—		
	DQ	1049751	10/1983	U.S.S.R.	—	—		
<i>mjd</i>	DR	0060074	09/15/82	EPC	—	—		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>mjd</i>	DS		Brochure entitled "On-Board Truck Weighing System-Gateway To Production", distributed by Philippi-Hagenbuch, Inc., bearing a copyright notice of 1984.
	DT		One page ad for a material handling device or storage system identified by the trademark name Load Bank, manufactured by Conveyor Logic Inc. <i>date unknown</i>
	DU		Article on AGV (Automated Guided Vehicle) marketed by Caterpillar Co. along with General Electric Co. of Great Britain. Publication unidentified. <i>date unknown</i>
	DV		Advertisement by Identification Device, Inc., Boulder, Co., on the SYSTEM I.D.® Automated Vehicle Identification. Date Unknown.
	DW		"Optodata® 5200, The Cable Eliminator" sales literature by Scientific Technology, Inc., including master price list, 1986.
	DX		Article "Bar Codes Hold 'Patent' on Document Tracking" in AUTOMATIC I.D. NEWS, September, 1986.
	DY		Kaneno et al., "Construction Vehicle ID Transmitter for Carriage Data Collection and Management System," SAE Technical Paper Series, Int'l. Congress and Expo, Detroit, Michigan; February 25 - March 1, 1985; pp. 29-41
	DZ		Catalog listing Telxon Portable Bar Code Scanners, Telxon Corporation, 1984.
	EA		Article entitled "Material Handling Makes Just-In-Time Work For AutoCon", by Clyde E. Witt, MATERIAL HANDLING ENGINEERING, November, 1986.
	EB		Article from MIS WEEK entitled "JIT And The Receiving Room" by Bill Maraschie, May 19, 1986.
	EC		Advertisement from AUTOMATIC I.D. NEWS on LXE's Radio Linked Data Communication LXE, a Division of Electromagnetic Sciences, Inc., November, 1986.
	ED		Promotional brochure entitled "Dispatch At Work!" distributed at the October 1982 American Mining Congress Quadrennial held in Las Vegas.
	EE		Promotional brochure entitled "Dispatch" distributed at the October 1986 American Mining Congress Quadrennial held in Las Vegas.
<i>mjd</i>	EF		"Computer Methods for the 80s In The Mineral Industry", edited by Alfred Weiss, Society of Mining Engineers/A.I.M.E. 1979, pages 735-742.

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<i>mj2</i>	EG	Brochure entitled "Quintette Coal Limited's Experience to Date within Its Computerized Truck Dispatch System", distributed at the April 1985 87th Annual General Meeting of CIM, held April 21-25, 1985.
	EH	Pamphlet No. YM 18-103 NA entitled "Load Indicator for Ore Haulers" distributed by ASEA, Inc. of White Plains, New York. <i>date unknown</i>
	EI	Brochure entitled "Pactronics Load Analyzer", distributed by Pactronics Corporation of Cucamonga, California, bearing a copyright notice of 1978.
	EJ	Brochure entitled "On-Board Truck Weighing System-Gateway To Production", distributed by Philippi-Hagenbuch, Inc., bearing a copyright notice of 1984.
	EK	Brochure entitled "Hardware, Software, and System Considerations N Computer-Based Open Pit Mine Truck Dispatching", <u>ISA Transactions</u> , Volume 22, No. 24, pages 11-20, 1983.
	EL	Weed, Jr., "Motorola System Cobines Truck Dispatch With Remote Data Acquisition and Control At Reserve Mining Company", distributed at the Arizona Conference A.I.M.E. Annual Meeting held on December 5, 1983.
	EM	Beaudoin, "Automatic Truck Dispatching-Mount Wright Operations", Open Pit Operations Conference, Canadian Institute of Mining and Metallurgy, Paper No. 2, 1977.
	EN	Mackie, "Communications + Computers = Innovative Mine Management" Society of Mining Engineers of A.I.M.E., No. 85-55, presented February 1985.
	EO	White et al., "Computer Based Dispatching In Open Pit Mines", presented at the 12th Annual ISA Mining and Metallurgy Industries International Process Control Symposium, Vancouver, B.C., Canada, May 1984.
	EP	Could, Inc. brochure, "Automatic Truck Dispatching and Identification System", dated September 19, 1979.
	EQ	Sassos, "Reserve's Mine Management System", <u>Engineering and Mining Journal</u> , September 1984, pages 42-49.
	ER	Motorola brochure, "Data Ranger/Mining Communications System", distributed by Motorola, Inc. at the 1982 American Mining Congress Quadrennial held in Las Vegas, Nevada.
	ES	Chironis, "Computer Monitors and Controls All Truck-Shovel Operation", <u>Coal Age</u> , March, 1985, pages 50-55.
	ET	Arnold et al., "Computer-Based Truck Dispatching", Special Report: Surface Haulage Economics, April, 1983.
<i>mj2</i>	EU	White, J.W. and J.P. Olson, "Computer Based Dispatching In Mines With Concurrent Operating Objectives", Society of Mining Engineers, 83-413.

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mjt	EV	White, J.W., M.J. Arnold, and J.G. Clevenger, "Automated Open-Pit Truck Dispatching At Tyrone", <u>Engineering and Mining Journal</u> , June 1982.
	EW	White, J.W., and L.T. Zoschke, "The Development Of A Computerized Truck Dispatching System", <u>Mining Magazine</u> , December 1987.
	EX	Barnum, B.A., "Computerized Truck Dispatching At The Chino Mine - Installation And Operation Considerations", Society of Mining Engineers, Inc., Preprint Number 87-76, February 1987.
	EY	Chironis, N.P., "Computer Monitors And Controls All Truck-Shovel Operations", <u>Coal Age</u> , March 1985.
	EZ	Arnold, M.J., and White, J.M., "Advance In Computer Dispatching", American Mining Congress, April 1988.
	FA	Arnold, M.J., and White, J.W., "Computer-Based Truck Dispatching", Special Report: Surface Haulage Economics, <u>Mining Engineering</u> , September 1983.
	FB	Webster, G., "Phelps Dodge Once Again Profits From Copper", <u>The Arizona Republic</u> , date unknown
	FC	Clevenger, J.G., "DISPATCH Reduces Mining Equipment Requirements", <u>Mining Engineering</u> , September 1983.
	FD	White, J.W., "Automated Haulage Control In North America", <u>International Mining</u> , April 1988.
	FE	White, J.W., and Olson, J.P., "Recent Developments In Computer Based Dispatching", Society of Mining Engineers of AIME, October 1983.
	FF	White, J.W., Arnold, M.J., and Clevenger, J.G., "Automated Open-Pit Truck Dispatching At Tyrone", <u>Engineering And Mining Journal</u> , June 1982.
	FG	White, J.W., and Olson, J.P., "Off-Highway Haulage In Surface Mines", A.A. Balkema/Rotterdam/Brookfield, 1989.
	FH	Lill, J.W., Gliddon, J.P., and Wade, G.C., "Palabora - Changing To Meet The Challenge Of The 80's", <u>Mining Engineering</u> , August 1988.
↓	FI	Cotton et al., "Toronto Transit Commission Communications And Information System Evaluation Of Operation Tests," 30th Annual Conference Of The IEEE Vehicular Technology Society; Bohn Printing Co., Utica, Michigan; Sep. 15-17, 1980.
	FJ	A Brochure entitled "Automatic Truck Dispatching and Identification System", Gould, Inc., Information Identification Division, Sep., 1980.
mjt	FK	Article entitled "Automated Open Pit Truck Dispatching at Tyrone," Jun. 1982 issue of <u>Engineering and Mining Journal</u> .

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<i>rmj</i>	FL		Glotsl BaumeBtechnik's Publications on "Pressure Cell For Concrete Stress And Joint Pressure"; Jul., 1979.
	FM		Arnold et al., "Computer Dispatching Improves Open Pit Mining Efficiency" Presented at American Mining Congress Int'l. Mining Show, Las Vegas, NV; Oct. 5-9, 1986.
	FN		"Hardware, Software, and System Considerations in Computer-Based Open Pit Mine Truck Dispatching"; ISA Transaction, vol. 22, Nov. 4, presented at the ISA Conference May 5-7, 1982, Baker et al.
	FO		Article entitled "Air Cushions and Vehicle Tyres in Weighing Machines (How to Weigh an Elephant)", by Bradbury Controls, Ltd., Ross-On-Wye, Great Britain, 3/84. <i>1984</i>
	FP		E-ZTRAC™ Truck Tracking System, ©1984 - computer program written in COBOL which is a unique tracking system designed specifically for the Ready Mixed Concrete Industry.
	FQ		Article by SPEEDCALL Corporation entitled "Fleet Dispatch and Control Systems", Copyright 1984.
	FR		A Brochure entitled "Automatic Truck Dispatching and Identification System", Gould, Inc., Information Identification Division, Sep. 1980. -
	FS		A Brochure for Motorola's "Automatic Vehicle Location System"; Copyright 1984.
	FT		Marcelo, Ben; "Selecting the Right Automatic Vehicle Location System"; Magnavox (no date).
	FU		Brochure entitled "The Answer to Increased Dispatch Efficiency," by the Alkon Corp., Columbus, Ohio; ©1985.
	FV		Harrington, L.H.; "Money-Saving Software," Traffic Management, Cahners Publishing Company, Apr. 1986.
	FW		"5th Wheel" Catalog Sheet by Structural Instrumentation, Inc. <i>Date unknown</i>
	FX		Advertisement in "Chillon's IAN Instrumentation & Control News, vol. 33, No. 12, Burr-Brown's Multibus" - Compatible Analog Input Board, Dec., 1985.
	FY		The Argo FMS 1330 "Report Card" Marketing Brochure Describing the Argo Fleet Management Systems. <i>date unknown</i>
	FZ		"The VMS TM-Setting New Standards for Vehicle Monitoring", publication by GLI Corp. of Woodinville, WA, published Dec. 1985.
<i>rmj</i>	GA		Article on "Modems Take to the Airwaves" by M.David Stone, published in PC Magazine, Jan. 14, 1986, pp. 184-193.

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<i>my</i>	GB	✓	A.H. Emery "Hytronic Totalizer" catalog sheet, Bulletin 2911, Dec. 5, 1985.
	GC	✓	The "OEM-Bus Single Board Computer SYS-22" catalog sheets by the Robasic Corporation. <i>date unknown</i>
	GD		Construction Vehicle ID Transmitter for Carriage Data Collection & Management System" by Sumitomo Electric Ind. Int'l Cong. & Expo. Detroit, MI, Feb. - Mar. 1985.
	GE		Cost Savings Bulletin I describing "VMS TM As a Preventive Maintenance Tool" dated Jan. 13, 1985.
	GF		Cost Savings Bulletin II describing "VMS TM As A Preventive Maintenance Tool" dated Sep. 6-8, 1985.
	GG		Cost Savings Bulletin III describing "VMS TM As A Preventive Maintenance Tool" dated Dec. 28-29, 1985.
	GH		Article on the AVM (Automatic Vehicle Monitoring) and AVL (Automatic Vehicle Location) Systems, pub. in Mobile Radio Technology; Sep. 1985, pp. 64-65.
<i>my</i>	GI		Article in Design News entitled "Automatic Vehicle Locator 'On-The-Air'", Sep. 23, 1985, p. 29.
	GJ		Brochure entitled "Automatic Vehicle Locator System"® by Motorola, Inc., 1984. <i>Already cited</i>
<i>my</i>	GK	✓	"Satellites Add More Accuracy To Locating Objects On Earth" article by D. Wessel, Staff Reporter of The Wall Street Journal. Date Unknown.
	GL		Advertisement by the Hawker Siddeley Dynamics Engineering Ltd. in The Mining Engineer for Mining Controls Capabilities, p. 332, date unknown.
	GM	✓	Advertisement by Hawker Siddeley Dynamics Engineering Ltd. on the "Elements of An MVMM System". <i>date unknown</i>
	GN	✓	"Dynalink Mine Vehicle & Material Management System", Publication No. BSL 924, Issue No. 01, by Hawker Siddeley Dynamics Engineering Ltd., HSDE 1986.
	GO	✓	"Fully Integrated Truck Information & Control Systems (TIACS)" by T.O. Jones & W. K. Tsuha, SAE Technical Paper Series, Truck & Bus Expo, Cleveland, OH, Nov. 7-10, 1983.
	GP	✓	"Car 54, Where Are You? Just Check the Computer Map" Article in Business Week, Science & Technology Section, Aug. 12, 1985.
<i>my</i>	GQ	✓	"Eye In Sky Will Keep Us From Getting Lost" article by John Hillkirk in USA Today, Mar. 5, 1986.

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<i>mjt</i>	GR		"Truck Management Systems Review" by V. Srajer, Canmet (Canada Centre for Mineral & Energy Technology) Calgary Coal Research Laboratory, Dec., 1985.
	GS		"Vehicle Monitoring System For Large Off-Highway Trucks", article of GLI Corp. in Mining Journal, Jan. 10, 1986.
	GT		"An Integrated Truck Management Information System (Truck MIS) Concept" Article by LeRoy G. Hagenbuch presented at CIM 2nd Dist. 5 Mtg. on Sep. 11, 1985.
	GU		"Analysis of Open-Pit Truck Haulage System by Use of a Computer Model" by J.H. Tu & V.J. Hucka of Univ. of Utah, in the CIM Bulletin, Jul., 1985, pp. 53-60.
	GV		Himebaugh, A.E.; "Computer-Based Truck Dispatching In The Tyrone Mine," Mining Congress Journal, Nov. 1980; pp. 16-21.
	GW		Riley et al., "Vehicle Tracking System for Salem, Oregon Police Dept." The Institute of Navigation, Proceedings of the National Technical Meeting, 1/21-23/86; pp. 89-94.
	GX		Brochure entitled "LASER NET TM - The Smart Sensor", Namco Controls, Mentor, Ohio; ©Apr., 1986.
	GY		Specification Sheet from Norand Data Systems RT1200 Radio Data Network, 1985.
	GZ		Advertisement on Texlon's Portable Tele-Transaction Computers, (PCTs). <i>date unknown</i>
	HA		Article entitled "Material Handling Makes Just-In-Time Work for Autocon", by Clyde E. Witt, Associate Editor, Material Handling Engineering, Nov., 1986.
	HB		Rockwell International Corporation's Fleet Management System entitled "TripMaster"; Jul., 1986.
	HC		Brochure for the "Merriman Windjammer" Air/Hydromechanical Actuation by Merriman Products, Inc., Jackson, Michigan. <i>date unknown</i>
<i>mjt</i>	HD		Contract report prepared by the Bureau of Mines, United States Department of the Interior, directed to "Off-Highway Haulage Truck Overload Detection". <i>date unknown</i>

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AA	4,148,369	04/10/79	Mercer, Jr.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
mg	BA	58-84397 ✓	05/20/83	Japan			X	
mg	BB	57-15434	03/30/82	Japan			X	
	BC	54-54071 ✓	04/27/79	Japan				X

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>myl</i>	AA	4,042,049	08/16/77	Reichow et al.	177	137	
	AB	4,103,752	08/01/78	Schmidt	177	141	
	AC	4,505,344	03/19/85	Hobbs et al.	177	136	
	AD	4,588,038	05/13/86	Takagi	177	141	
	AE	4,605,081	08/12/86	Helmlly, Jr. et al.	177	25.13	
	AF	4,627,013	12/02/86	Ichiyama et al.	364	567	
	AH	4,630,227	12/16/86	Hagenbuch	364	567	
	AI	4,635,739	01/13/87	Foley et al.	177	141	
	AJ	4,714,122	12/22/87	Appleton et al.	177	139	
	AK	4,771,837	09/20/88	Appleton et al.	177	139	
	AL	4,831,539	05/16/89	Hagenbuch	364	449	
	AM	4,835,719	05/30/89	Sorrells	364	567	
	AN	B1 4,839,835	01/25/94	Hagenbuch	364	567	
	AO	4,845,648	07/04/89	Hagenbuch	364	567	
	AP	5,038,876	08/13/91	Smith	177	139	
	AQ	5,064,008	11/12/91	Smith	177	1	
	AR	5,065,828	11/19/91	Smith	177	139	
	AS	5,065,829	11/19/91	Smith	177	139	
	AT	5,327,347	07/05/94	Hagenbuch	364	424.07	
<i>myl</i>	AU	5,416,706	05/16/95	Hagenbuch	364	424.07	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>myl</i>	BA	-	Brochure entitled "Merriman Windjammer Air/Hydronechanical Actuation", Merriman Products, Inc.					
			1. Merriman Products, Inc., Price list (February 15, 1983)					
			2. Power Calculations -- Wind-Jammer Assemblies, Merriman Products, Inc.					
			3. Manifold type fitting drawings W-31 to W-36 and T-39 to T-40, Merriman Products, Inc.					


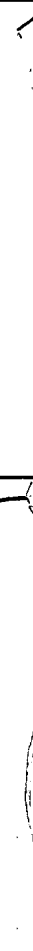





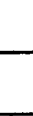

M J Janelli 11/2/95

FORM PTO-1449
(Rev. 2-32)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
66538SERIAL NO.
08/475,806INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Hagenbuch

(Use several sheets if necessary)

FILING DATE
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>mj2</i> 	BB		<p>VMS Monitoring System by GLI Corp.</p> <ol style="list-style-type: none"> 1. "Vehicle Monitoring System", features chart. 2. Cost Savings Bulletins entitled "VMS as a Diagnostic Troubleshooting Aid": No. DF:2/86 3. Cost Savings Bulletins entitled "VMS as a Diagnostic Troubleshooting Aid": JC:12/85 4. Cost Savings Bulletins entitled "VMS As An Early Warning and Fault Detection Device": No. JD:1/86. 5. Cost Savings Bulletins entitled "VMS As An Early Warning and Fault Detection Device": No. JC:2/86. 6. Letter from D.J. DeLeo, Manager, Babitt Division of Reserve Mining Company dated June 3, 1985 to John M. Curtis of GLI Corporation. 7. "Methods & Machines -- Coarse Coal Slurry Transshipment System in Holland", <u>Mining Journal</u>, pg. 24 (January 10, 1986). 8. GLI Customer Reference List (January 1986). 9. Vehicle Monitoring System Installation History as of January 1986. 10. Recommended Parameter Monitoring List and Optional Parameter Monitoring List (September 1985). 11. Vehicle Monitoring System Customer Sensor Selection Chart. 12. Vehicle Monitoring System Equipment Specification. 13. Brochure entitled "Coolant Level Sensor for Microprocessor-Based Vehicle Instrumentation Systems", item no. S113-7/85. 14. Brochure entitled "Oil Level Sensor for Microprocessor-Based Vehicle Instrumentation Systems" item no. S114-7/85. 15. Brochure entitled "Temperature Sensor for Microprocessor-Based Vehicle Instrumentation Systems" item no. S115-7/85. 16. Technical Bulletin No. 101 entitled "Snap Acceleration Power Test". 17. Vehicle Monitor System Operation Specification. 18. Standard Functions to Monitor chart. 19. Optional Functions to Monitor chart. 20. VMS - Periodic Performance Log. 21. VMS- Alarm Status Record. 22. MVMMS - DYNALINK - Monitoring and Control Systems -- Advance Information.
<i>mj2</i>	BC		<p>I Morrow Inc., "Vehicle Tracking System" brochure. <i>Date unknown</i></p>
	BD		<p>Speedcall Corporation, "912A Automated Status Reporting Mobile Units" brochure. <i>Date unknown</i></p>
	BE		<p>Speedcall Corporation, "916A Automated Status Reporting Control Console" brochure. <i>Date unknown</i></p>
	BF		<p>Ready Mix article by Rick Tiller entitled, "Computers Closing the Gap Between Batching and Dispatching". <i>Date unknown</i></p>
	BG		<p>Proceedings of 30th Annual Conference of the IEEE Vehicular Technology Society. International Conference on Transportation Electronics held September 15-17, 1980 in Dearborn, Michigan. Item No. IEEE 80CH1601-4 SAE SP-90.</p>
<i>mj2</i>	BH		<p>Advertisement of TELXON entitled, "Now you have no excuse for not reading. (Anywhere!)" <i>Date unknown</i></p>

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my 2	BI		Modular Mining Systems, Inc., "Field Communications System Interface Specification" issued September 27, 1989, Revision No. MMS-89-FPS01 (R4.3).
my 2	BJ		Brochure entitled, "Cat Truck Payload Measurement System", item no. AEDK1584. <i>date unknown</i>
my 2	BK		Article entitled, "Payload Measurement System on Off-Highway Trucks for Mine Applications" by A.W. Dickerson, A.J. Gudat, and R.G. Miller. <i>date unknown</i>
my 2	BL	make individual entries	Materials related to beacon detector by Glenayre Electronics, <i>date unknown</i> <ol style="list-style-type: none"> 1. MIDISS general introductory Brochure. 2. Block Sketch showing MIDISS truck mounted equipment items, interconnections, and required interfaces. 3. 6580 Mobile Microcomputer - brochure. 4. 6010 Proximity Beacon System - brochure. 5. 6528 Display Unit - brochure. 6. 9040 Mounting Rack - brochure. 7. 28000 Series DC-DC Converters - brochure. 8. Glenayre Drawing 031-0010-3 showing mounting of 6420 Beacon Detector on a mine haulage truck. 9. Glenayre Drawing 03-0010-4 Bracket for Beacon Detector. 10. Glenayre Drawing 03-0010-ID and -3. Typical truck installation on WABCO 120 and 235 ton trucks.
my 2	BM		Motorola brochure entitled, "MCT-1200 Mobile Communications Terminal", item no. R3-8 4 38A. <i>date unknown</i>
my 2	BN		Article entitled, "Reduction in Mining Equipment Requirements Utilizing DISPATCH", by J.G. Clevenger, Mine Superintendent, Phelps Dodge Corporation, Tyrone Branch, Tyrone, New Mexico 88065.
	BO		Glenayre Electronics brochure entitled "Mine Dispatch Support System". <i>same as ref. BL above</i>
my 2	BP		Modular Mining Systems brochure on DISPATCH. <i>date unknown</i>
my 2	BQ		Modular Mining Systems article entitled "About Modular Mining Systems". <i>date unknown</i>
my 2	BR		"Introduction to Automatic Truck Identification and Dispatching". Goulds, Inc.; Sept. 1980
my 2	BS		Advertisement from <u>E&MJ</u> , September 1984 issue for Pyramid Parts.
my 2	BT		Advertisement from <u>E&MJ</u> , September 1984 issue for Dorr-Oliver.
my 2	BU		Road Machinery Company brochure entitled "TPM-200 Truck Performance Monitor". <i>date unknown</i>

my family 11/2/95

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mgz	BV		<u>World Coal</u> article entitled, "Automatic Truck Dispatching Increasing Productivity", dated March/April 1982.
	BW		Brochure entitled "Computer Directed Dispatch System" from Pincock, Allen & Holt, Inc. <i>date unknown</i>
	BX		Paper entitled "Aspects of a Computerized Truck Dispatch System", from Pincock, Allen & Holt, Inc. <i>date unknown</i>
	BY		GLI Corporation article entitled "Electronics in the Mining Industry". <i>date unknown</i>
	BZ		<u>Technology News</u> publication from the Bureau of Mines, United States Department of Interior. <i>date unknown</i>
mgz	CA		V. Srajer, "Truck Management Systems Review", Calgary Coal Research Laboratory, (December 1985).
	CB		Dickerson, "Payload Measurement System on Off-Highway Trucks for Mine Applications". <i>date unknown</i>

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11/2/95